RFID Retail Solution

BOS DIMEX

Provides services and systems for inventory production and management using cutting edge technology:

Automation and Robotics

The Intelligent Robotics division develops and builds custom-made robotic & automation systems for the industrial and logistic processes

Integration

The Barcode and RFID division provides off-the-shelf software and equipment to track and manage inventory in the production floor and warehouse.

Customers that count on us

Our partners

How is the data collected?

Barcode

RFID chip

How is the data collected?

Barcode

Requires:

🔫 Line of sight

🔫 Reading barcode one by one

How is the data collected?

RFID chip

- No line of sight
- Masses-oriented
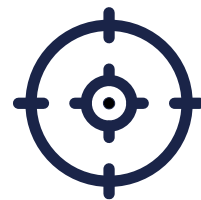- Single-valued
- Accurate
- Fast and efficient
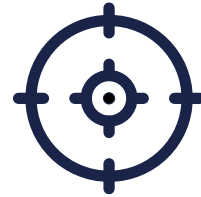
containers

cartons

hangers

The Challenge:

Make sure the store receives what it ordered

The Challenge:

Make sure the store receives what it ordered

model

quantity

size

color

model

quantity

size

color

RFID solutions

Justifies ROI

Traceability, operational efficiency, speed, accuracy

Less Human involvement

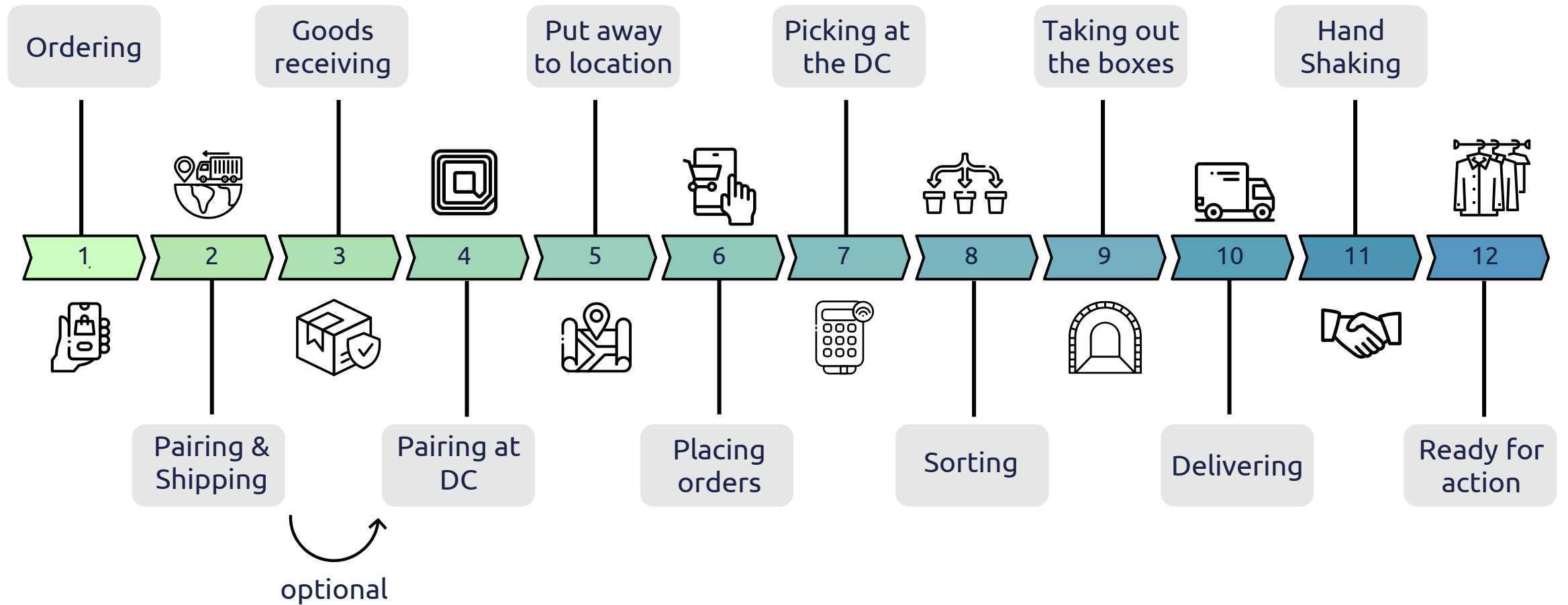Reduces human involvement, prevents mistakes

Efficiency

Reduces stock cycle capacity

Recall

Return fast and accurate

RFID Flow

RFID Flow

Step 1

Ordering

The manufacturer abroad receives an order

Option 1:
Associating and pairing the chip to the item, creating and entity in the computer before sending it

Option 2:
Shipping without RFID tag

RFID Flow

Step 2:

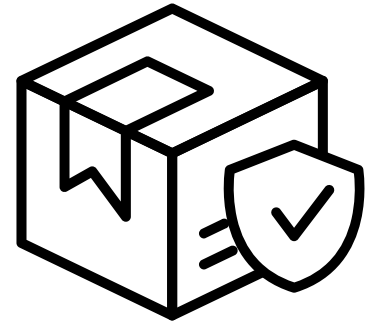The fashion goods are imported to Israel, arrive by plane/ship/truck
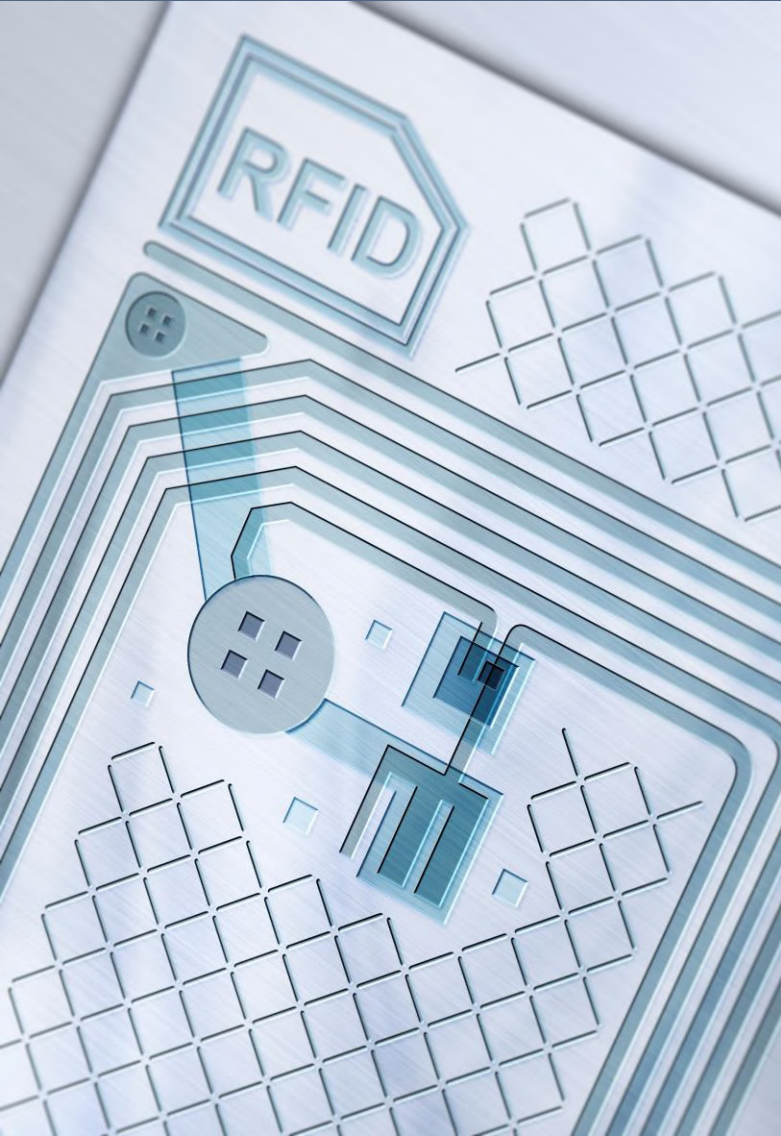
RFID Flow

Step 3

Goods receiving

The arrival of the goods at the logistics center using WMS software or other line of business application.
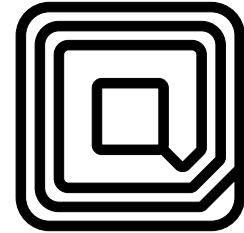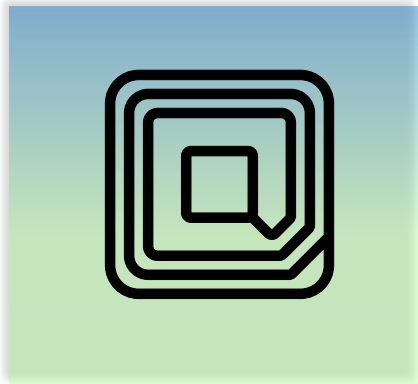
RFID Flow

Step 4

Pairing at DC

Attaching the incoming products to RFID chip, Each product will be paired with unit RFID tag. Required if products shipped without Tags from the manufacture
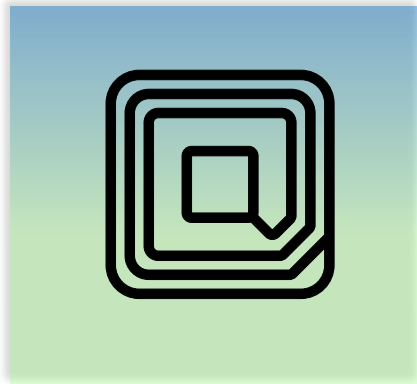
The reader scans the RFID tags on the goods and automatically captures the information:
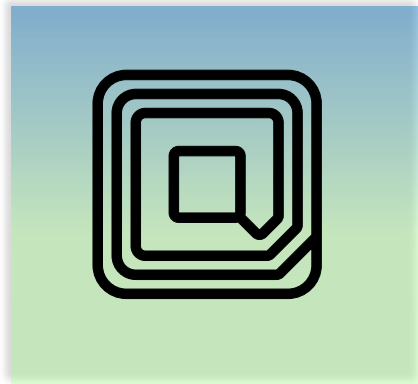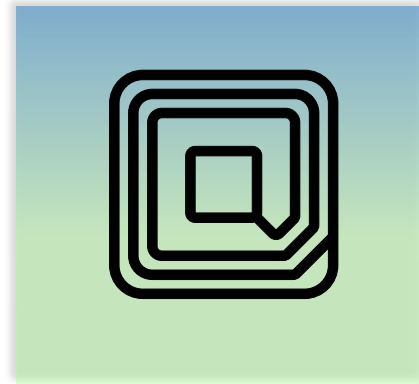
boxes received

models

sizes

colors

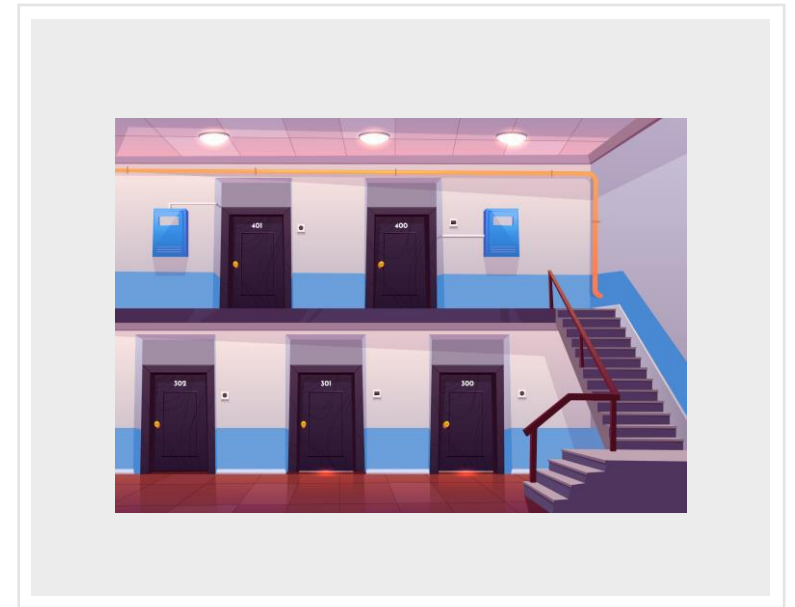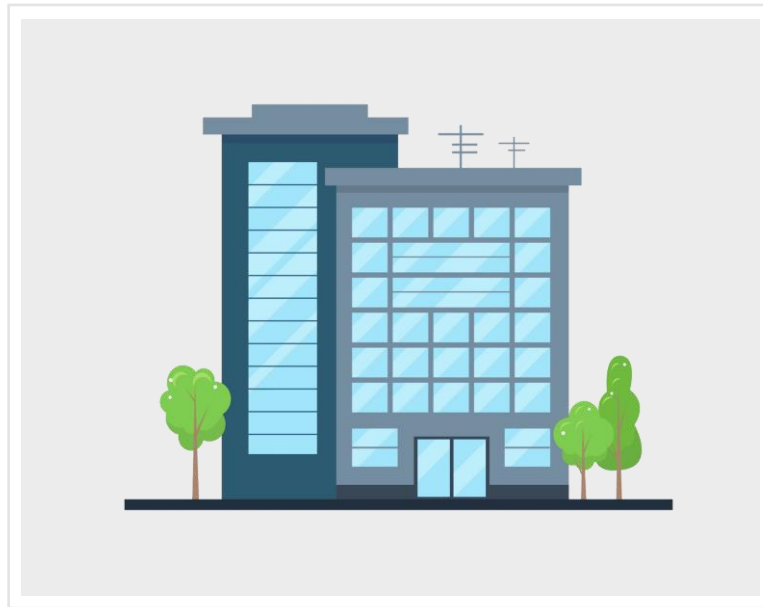Items included
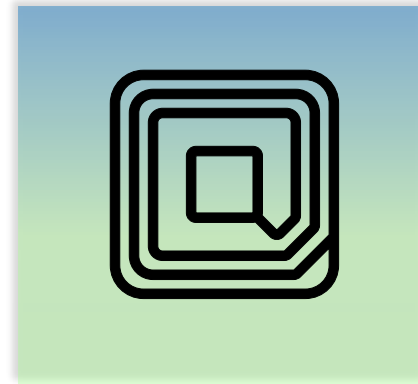
RFID Flow

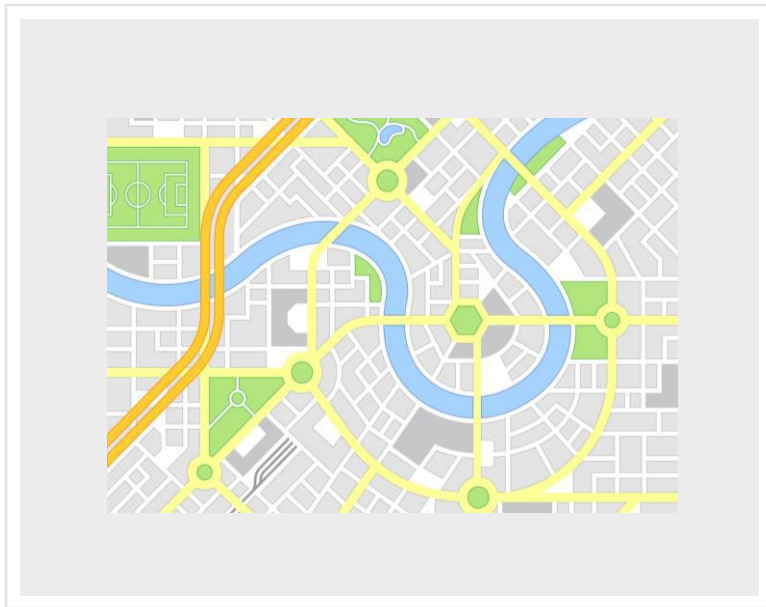### Step 5
Put away to location

Arranging the items to a specific location in the distribution center

Arranging the item at the location – similar to an address

City >> Street >> Building >> floor >> apartment

Inventory is ready to be shipped to the shops

RFID Flow

Step 6
Placing orders

The consumers (stores/franchisee) place orders based on the inventory in the logistics center
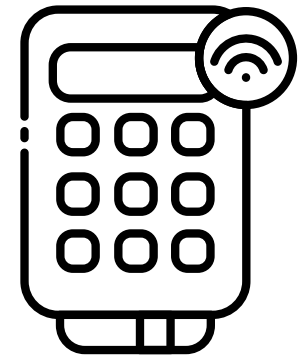
RFID Flow

Step 7
Picking at the DC

Pick up the orders from the DC using a hand-held-terminal
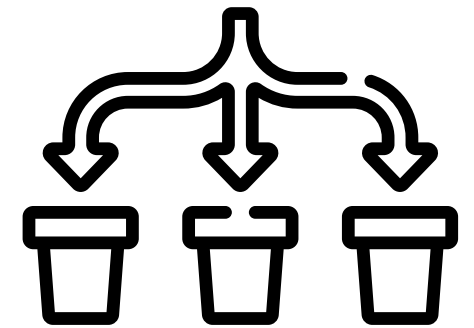
The Logic:

Pick by item

Pick by order

RFID Flow

Step 8
Sorting

The sorter sorts the items collected, and updates the inventory status, while identifying the RFID on the item

The Logic:

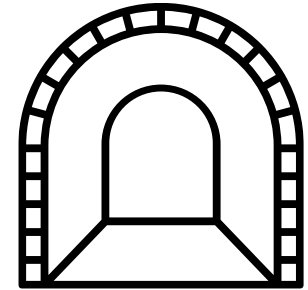Pick by item

Pick by order

RFID Flow

Step 9
Taking out the boxes

Boxes are transferred to the RFID tunnel

RFID Flow

Step 10
Delivering

Delivering the goods to the stores – the driver follows the distribution route according the transportation plan

RFID Flow

Step 11

Hand-Shaking

Between the driver and the store manager by hand-held-terminal and POD software

The driver
Unpacks the goods and scans a barcode/RFID per box, not per item

The Store
Scans the carton with RFID terminal – one click - and updates the store inventory
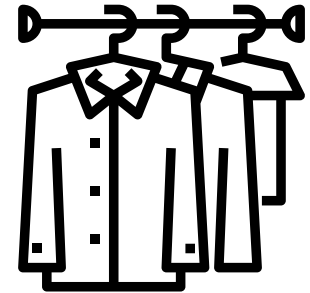
RFID Flow

Step 12

Ready for action

The goods are in the store, ready for action – sales, inventory control and count

Sales

No need to read the barcode and charge at the checkout

⌄

Just take the items and pay

automatically

Stock Taking/ Counting

The RFID enables a faster and more efficient process

Barcode-based inventory count

Requires labor precious time and long procedure

RFID-based inventory count

Major time and labor saving – walking around with a hand-held terminal in the store, and the inventory automatically counted and updated

Searching for an item

Simplifying the process

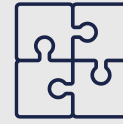Choose an item from a certain size/color

Find it easily in the store- guiding you straight to it using RFID hand-held- terminal

Why us

Long-Lasting experience

Over 30 years in AIDC, over 20 years in RFID

Holistic solution

Sorting, RFID, WMS, POD, hardware & maintenance

Nationwide deployment

A team of technicians from Dan to Eilat

Trusted partnership

Representations of the world's leading companies

BOS DIMEX

RFID | Robotics | Automation

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